

REMARKS

This paper is responsive to the Final Office Action dated October 31, 2007. Claims 1 and 4 - 6 are pending in this application and have been rejected. Reconsideration is respectfully requested in view of the following remarks.

Claim Rejections - 35 USC § 103

Claims 1 and 4 - 6 have been rejected under 35 USC § 103 as being unpatentable over US Patent 6,002,319 (Honma) in view of JP 06-314624 (Noboru). This rejection is respectfully traversed for the reasons that follow.

Honma

Honma '319 is a completely different device than applicant's claimed invention. Honma does not have a magnetic coupling adjusting winding forming a common magnetic path as claimed in claim 1. Instead, Honma has a coil (4) wrapped in bobbin frame (5) (5b-1 - 5b-2) that is a shield coil (see description of coil (4) with respect to Figure 11 found at column 3, lines 25 - 67 and continuing into column 4). The shield coil (4) performs an entirely different function if for no other reason than it is short circuited. The shield coil is around a gap in the core and

it is the gap that must be shielded. The shield's core provides shielding and has eddy current energy loss only (column 6, lines 25 - 45). In order to provide for the eddy current shielding provided by shield coils (4), the ends of coil (4) are short circuited as shown in Figures 17 and 18. The short circuiting makes the eddy current flow possible. This short circuiting is also described in column 2, lines 25 - 33 and in the last lines of claim 1 (column 8, lines 39 - 44).

Therefore, '319 does not possess a magnetic coupling adjusting winding as claimed. The examiner's citation of column 3, lines 25 - 67 and Figure 1 of '319 relates only to the shield coil. In contrast, Applicant's claim 1 requires that a part of one of the primary-side winding and the secondary-side winding be wound around the third frame magnetic adjusting winding through a notch part. Here it is seen that the claim requires that the third frame include windings from either the primary- or secondary-side. However, in '319 this is not possible because the windings in the third frame are short circuited and not connected to either the primary or secondary. Next, the claim calls for the winding through a notch part. This winding, passing through the notch part, is the primary-side or the secondary-side winding, and it is this winding material that passes through the notch, not a short circuit across the coil. In contrast, '319 does not pass primary or secondary winding material through the notch. The notches in '319 are provided only for ease of

connecting the ends of the shield winding to each other.

Therefore, for this additional reason, '319 does not in any way suggest applicant's claimed invention or respond to the elements of applicant's claim 1.

Noboru

The examiner cites Noboru as teaching winding in a common location. This does not suggest applicant's claimed invention because applicant's three separate bobbins are not in the same location. Still further, Noboru does not have a third winding at all, much less a third winding that is connected to either the primary or the secondary. Further, Noboru does not teach a bobbin with multiple frames (three frames as claimed, or any other number of frames). It is respectfully submitted that Noboru provides no teaching that would overcome the deficiencies found in '319. It is not understood how location relates to the elements of the claim. Clarification is requested.

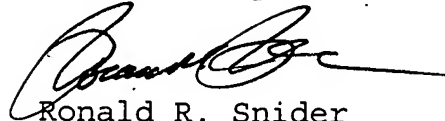
In view of the foregoing, it is respectfully submitted that the application is now in condition for allowance, and early action in accordance thereof is requested. In the event there is any reason why the application cannot be allowed in this current condition, it is respectfully requested that the Examiner contact the undersigned at the number listed below to resolve any problems by Interview or Examiner's Amendment.

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12/27/2007

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Respectfully submitted,



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